

Converting Colors

XYZ(20.6930, 22.8468, 17.3441)

Have a look what the booklet for
XYZ(20.6930, 22.8468, 17.3441)
contains.

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Color

**XYZ(20.7142, 22.8231,
17.2235)**

Conversions

Conversions Part 1

Format	Color
Hex	85856B
RGB	133, 133, 107
RGB Percent	52%, 52%, 42%
CMY	0.4784, 0.4784, 0.5804
CMYK	0.00, 0.00, 0.20, 0.48
HSL	60°, 11%, 47%
HSV	60°, 20%, 52%
XYZ	20.7142, 22.8231, 17.2235
YIQ	130.0360, 8.3460, -8.0860

Conversions

Conversions Part 2

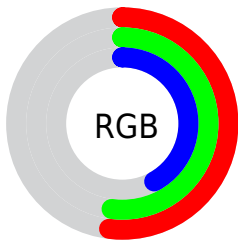
Format	Color
R_{YB}	107, 133, 107
Decimal	8750443
CIE _{Lab}	54.89, -4.67, 14.06
CIE _{LCh}	55, 14.813, 108.356
Yxy	22.8231, 0.3409, 0.3756
Android (android.graphics.Color)	4286940523 (0xFF85856B)
YUV	130.0360, -11.3567, 2.5994
Hunter-Lab	47.7735, -6.2076, 12.0660

Details

The XYZ color **20.7142, 22.8231, 17.2235** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5557, 15.3353, 24.3317**, and the grayscale version is **21.2681, 22.3757, 24.3672**.

A 20% lighter version of the original color is **43.9802, 48.0255, 39.2996**, and **7.5532, 8.5059, 5.5187** is the 20% darker color. If you saturate the color by 10%, you get **20.0676, 22.5652, 13.8173**, and if you desaturate by 10%, it is **21.4697, 23.1261, 21.1976**.

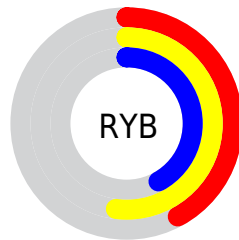
Distribution



Red (52%)

Green (52%)

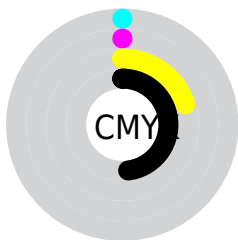
Blue (42%)



Red (42%)

Yellow (52%)

Blue (42%)

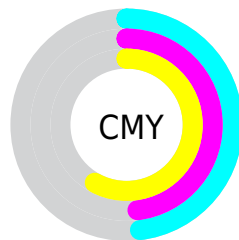


Cyan (0%)

Magenta (0%)

Yellow (20%)

Black (48%)



Cyan (48%)

Magenta (48%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7142, 22.8231, 17.2235 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.7142, 22.8231, 17.2235 by changing the saturation by 10% instead.

■ 20.7142, 22.8231,
17.2235

■ 20.7142, 22.8231,
17.2235

248.5163,
266.8151, 248.5445

■ 13.0265, 14.4629,
10.2303

■ 44.1063, 48.1027,
39.5056

■ 7.5239, 8.4433,
5.4443

■ 60.5414, 65.7909,
55.6315

■ 3.8411, 4.3799,
2.4470

■ 80.6230, 87.3573,
75.6388

■ 1.6126, 1.8883,
0.8119

■ 104.7165,
113.1862, 99.9460

■ 0.4006, 0.5413,
0.0000

133.1872,
143.6620, 128.9716

■ 0.0000, 0.0000,
0.0000

166.4005,

179.1692, 163.1342

204.7217,
220.0921, 202.8523

■ 20.7142, 22.8231,
17.2235

■ 20.7142, 22.8231,
17.2235

■ 20.0676, 22.5652,
13.8173

■ 21.4697, 23.1261,
21.1976

■ 19.5232, 22.3474,
10.9518

■ 22.3368, 23.4730,
25.7624

■ 19.0762, 22.1686,
8.5995

■ 23.3205, 23.8665,
30.9412

■ 18.7210, 22.0265,
6.7303

■ 24.4248, 24.3082,
36.7554

■ 18.4512, 21.9185,
5.3105

■ 25.6538, 24.7999,
43.2256

■ 18.2595, 21.8418,
4.3026

■ 27.0110, 25.3428,
50.3714

■ 18.1377, 21.7930,
3.6624

■ 28.5002, 25.9385,
58.2116

■ 18.0621, 21.7628,
3.2659

■ 30.1246, 26.5883,
66.7643

■ 18.0588, 21.7615,
3.2486

■ 31.8876, 27.2935,
76.0468

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.3356, 22.8231, 17.0099



20.7142, 22.8231, 17.2235



19.4194, 22.8231, 19.3171

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.7142, 22.8231, 17.2235



19.6631, 22.8231, 32.2325



24.9317, 22.8231, 26.7190

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.7142, 22.8231, 17.2235



15.5557, 15.3353, 24.3317

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.1367, 22.8231, 31.3509



20.7142, 22.8231, 17.2235



21.0622, 22.8231, 34.7919

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.7142, 22.8231, 17.2235



18.8340, 22.8231, 27.8060



22.7015, 22.8231, 34.4503



24.8269, 22.8231, 22.1122

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.7142, 22.8231, 17.2235



18.8904, 22.8231, 21.6647



22.7015, 22.8231, 34.4503



24.7593, 22.8231, 28.3342

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.7148, 22.8241, 17.2240



38.9528, 41.6147, 40.6279



17.5851, 16.5640, 16.1806



8.7578, 9.3683, 9.0589



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7148, 22.8241, 17.2240



36.6110, 40.6779, 28.3004



18.7880, 21.8308, 17.1338



5.0397, 5.4230, 5.0105



17.2004, 20.7271, 3.0942



0.0596, 0.0718, 0.0107

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.5557, 15.3353, 24.3317



25.7959, 24.9791, 43.2003



17.2378, 16.2024, 24.4104



4.4345, 4.5446, 5.8442



4.0328, 1.6132, 21.2355



0.0140, 0.0056, 0.0736

Previews

White Background



This preview shows how the XYZ color 20.7142, 22.8231, 17.2235 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.7142, 22.8231, 17.2235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

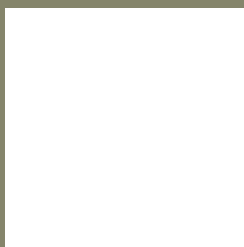
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7142, 22.8231, 17.2235

Background



This preview shows how black text looks on a background with the XYZ color 20.7142, 22.8231, 17.2235.



This preview shows how white text looks on a background with the XYZ color 20.7142, 22.8231,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.7142, 22.8231, 17.2235

Protanopia

21.3653, 22.7622, 16.9031

Deuteranopia

23.1165, 22.6798, 17.3466



Tritanopia

22.8270, 22.8830, 27.6398

Trichromacy



Original Color

20.7142, 22.8231, 17.2235

Protanomaly

21.1693, 22.8615, 16.9326

Deuteranomaly

22.2341, 22.8030, 17.4169

Tritanomaly

21.9667, 22.7318, 23.3086

Monochromacy



Original Color

20.7142, 22.8231, 17.2235

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9892, 22.4630, 21.6419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7142, 22.8231, 17.2235 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(133, 133, 107)` looks like.

```
.text, #text, p{  
    color:rgb(133, 133, 107)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(133, 133, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 133, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.7142, 22.8231, 17.2235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 133, 107) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(133, 133, 107) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(133, 133, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 133, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 133, 107); box-shadow:4px 4px 4px 4px rgb(133, 133, 107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7142, 22.8231, 17.2235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 133, 107) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(133,  
133, 107) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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